## CLAIMS ONLY

SERIAL NO. FILING DATE

APPLICANT(S)

CLAIMS

	AS	FILED	1st AME	AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.	
- 1	1						
2		1					
3							
4							
5		1					
6		1		<u> </u>			
7					<del>                                     </del>		
8		<u> </u>	<del>                                     </del>				
9		<del>                                     </del>		-	<b>!</b>		
10		<u> </u>		<del> </del>	<del> </del>	ļ <u></u>	
		1		ļ			
11		+	<del> </del> -	-			
12		!	<b> </b>	<u> </u>			
13		[					
14	l	1	<u> </u>		<u> </u>		
15		1	<u> </u>				
16		1					
17		<u> </u>					
18	i						
19		(					
20		1					
21		1					
22	1						
23		1					
24		1					
25		<del>                                     </del>		-			
26							
27				·			
28							
29							
30		<b>———</b>					
31							
32		<u> </u>					
33							
34							
35							
36							
37		<u> </u>					
38							
39							
40							
41							
42	-						
43							
44					-		
45							
46					-		
47							
48		<del> </del>					
49		<b> </b>		<del></del>			
50		ļ		-			
TOTAL IND.				<b>4</b>		Д	
TOTAL DEP.	·	, œ,		' 👄 Č			

		*		*		*	
	-	IND.	DEP.	IND.	DEP.	IND.	DEP.
	- 51			-			-
	52			<u> </u>			
	53						<del> </del>
1	54					<del></del>	<del>                                     </del>
	55	,					<del>                                     </del>
-	56					<b></b>	<del> </del>
١	57						t
1	58						†
1	59						†
	60						
Ì	61						<del>                                     </del>
Ī	62						
Ī	63						
[	64					-	
	65						
	66						
	67						
	68						
[	69						
	70						-
	71						
[	72						
[	73						
[	74						
[	75			[			
[	76						
[	77						
	78						
[	79						
[	80						
[	81						
[	82						
[	83						
	84						
	85						
I	86						
	87						
	88						
[	89					1	
[	90						
	91				1		
[	92	T					
ĺ	93						
	94						
	95						
	96						
ĺ	97						
[	98						
[	99						
[	100						
	TOTAL IND.		_0				п
	TOTAL DEP.		ď		<b>(=)</b>		
t	TOTAL CLAIMS			<del></del>	1.66.15		a tal
L	CLAIMS			<u>B</u>	\$34547×		<u> A substantia</u>

 $^{\star}$  MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office

## **CLAIMS ONLY**

SERIAL NO. FILING DATE

CI	_A	I٨	15

AS FILED		T		I AF	TER	AF	TED
1		AS	FILED			AFTER 2nd AMENDMENT	
2		IND.	DEP.	IND.	DEP.	IND.	DEP.
3	1						
4	2		17				
5 6 7 7 8 9 9 7 1 10 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1	3		7				
6	4		1	1			
6	5		1				<del>                                     </del>
7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6					<b>†</b>	
8 9 1 1 10 11 11 12 1 13 1 14 1 15 16 1 17 1 18 1 19 1 1 20 1 1 19 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	<del>                                     </del>	<del> </del> -		
9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<del> </del>	-	<u> </u>	<del>                                     </del>	<del> </del>	
10 11 12 13 14 15 16 17 18 19 20 21 21 22 23 24 4 25 26 27 28 29 30 31 31 32 29 30 31 31 32 33 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		<u> </u>	1	$\vdash$	<del> </del>	<del> </del>	<del></del>
11		<del>                                     </del>	<del>  ',</del>	<u> </u>	-	<del> </del> -	
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 32 29 30 31 31 32 33 34 4 4 4 45 49 50 FOTAL ## AB 40 FOTAL ## AB 49 50 FOTAL ## AB 49 50 FOTAL ## AB 49 50 FOTAL ## AB 40 FOTAL ## AB 49 50 FOTAL ## AB 40 FOTAL ## AB 41 FOTAL ## AB 42 FOTAL ## AB 43 FOTAL ## AB 44 FOTAL ## AB 45 FOTAL ## AB 46 FOTAL ## AB 47 FOTAL ## AB 48 FOTAL ## AB 49 FOTAL ## AB 40 FOTAL ## AB 41 FOTAL ## AB 45 FOTAL ## AB 46 FOTAL ## AB 47 FOTAL ## AB 48 FOTAL ## AB 49 FOTAL ## AB 40 FOTAL ## AB 45 FOTAL ## AB 46 FOTAL ## AB 47 FOTAL ## AB 48 FOTAL ## AB 49 FOTAL ## AB 40 FOTAL ## AB 40 FOTAL ## AB 40 FOTAL ## AB 41 FOTAL ## AB 45 FOTAL ## AB 46 FOTAL ## AB 47 FOTAL ## AB 48 FOTAL ## AB 49 FOTAL ## AB 40 FOTAL ## AB 41 FOTAL ## AB 41 FOTAL ## AB 42 FOTAL ## AB 43 FOTAL ## AB 44 FOTAL ## AB 45 FOTAL ## AB 46 FOTAL ## AB 47 FOTAL ## AB 48 FOT			<del>                                     </del>	<del>                                     </del>	<del> </del>		<del>                                     </del>
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 31 32 29 30 31 31 32 33 34 4 4 4 45 49 50 FOTAL DOEP,		<del>                                     </del>	1	<del> </del>	+		<u> </u>
14		<del>                                     </del>	<del>  ;    </del>	<u> </u>	<del> </del>	<del></del>	
15		<del>                                     </del>	<del>                                     </del>		<del>                                     </del>		
16		<del>                                     </del>	<del>                                     </del>	<del> </del>	┼──	<u> </u>	
17		<del> </del>	<del>  '/-</del>	<del> </del>			
18		<del> </del>	1	<del> </del>	<del> </del>		
19		<del>  ,                                   </del>	-	<u> </u>	<u> </u>	<u> </u>	
20		<del>                                     </del>	<del></del>	-	<del> </del>	ļ	
21		-		ļ	ļ		<u> </u>
22			<u> </u>	<del> </del> _	ļ		
23		<u> </u>	/				
24 25 26 27 28 29 30 31 31 32 33 34 4 35 36 37 38 39 40 41 42 43 44 45 44 45 46 47 48 49 50 TOTAL IND. TOTAL IND. TOTAL IND. TOTAL DEP. TOTAL DEP.				<u> </u>			
25			<u> </u>				
26				l			
27	25		1.				
28		/					
29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP.	27						,
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP. TOTAL DEP. TOTAL DEP. TOTAL DEP. TOTAL DEP.	28		1				
31	29		1				
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL MD. TOTAL MD. TOTAL MD. TOTAL DEP.	30		1				
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL IND. TOTAL DEP.	31	1					
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP.	32		1				
35	33		1				
35	34		1.	r		_	
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP. TOTAL DEP. TOTAL DEP. TOTAL DEP. TOTAL DEP. TOTAL DEP.			1				
37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP.			1				
38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP. 35			-			<del>  </del>	
39 40 41 41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP.		<del></del>	/-		-		
40 41 42 43 44 45 46 47 48 49 50 TOTAL IND. 70TAL IND. 70TAL IND. 70TAL DEP. 35			1				
41 42 43 44 45 46 47 48 49 50 TOTAL IND. TOTAL DEP. 35			<del></del>				
42 43 44 45 46 47 48 49 50 TOTAL 6 IND. 70TAL 10 DEP. 35			4				
43 44 45 46 47 48 49 50 TOTAL IND. 10 TOTAL DEP. 3.5			,				
44 45 46 47 48 49 50 TOTAL 6 TOTAL DEP. 35					<b></b>		
45 46 47 48 49 50 TOTAL 6 IND. 70TAL							
46 47 48 49 50 TOTAL 6 TOTAL 70 TOTAL 35		:			ļl		
47 48 49 50 TOTAL 6 TOTAL 70 TOTAL 35			ļ				
48 49 50 TOTAL 6 IND. 6 TOTAL 35							
49 50 TOTAL 6 IND. 6 TOTAL 35						]	
TOTAL 6 TOTAL 10D. 10DEP. 35						T	
TOTAL 10D. 6	49						
TOTAL 35							
TOTAL 35	TOTAL	6	<b>P</b>		р		В
DEP. 20	TOTAL	15	<b>*</b>		<b>€</b>		<b>482</b>
	DEP.	77					

S	#		#		*	
					]"	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51						
52						
53						
54						
55				<u> </u>		
56						
57						
58						
59					]	
60					Ĭ	
61						
62						
63						
64					<u> </u>	
65						
66					<u> </u>	
67			<u> </u>			<u> </u>
68					<del> </del>	
69			<u> </u>			
70			1			
71				<u> </u>		
72				ļ		
73			<u> </u>			
74				<del> </del>		<del></del>
75			<u> </u>	<del>                                     </del>		
76			<del>                                     </del>		1	
77			<del> </del>		<del></del>	
78			<del>                                     </del>	-	<del>                                     </del>	
79				<del> </del>	<del>  -  </del>	•
80				<del> </del>		
81						
82			<del></del>			
83			<del> </del> -			
84			<del></del>	<del></del>		
85			<del></del>			
86			<del></del> -			_
87						
88			<del> </del>			
89			<b></b>		<del></del>	
90			<b> </b>		<b>  </b>	
91					<b></b>	
92						
93						
93						
$\longrightarrow$			ļ			
95						
96						
97						
98						
99						
100						
TOTAL IND.	-					
TOTAL		<b>44</b>		<b>—</b> "		<b>—</b> *
DEP. TOTAL CLAIMS				.,!		401
CLAIMS					<u>_</u>	77.

 $^{\star}$  MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM **PTO-2022** (1-98)

U.S.DEPARTMENT OF COMMERCE Patent and Trademark Office